

IN THE CLAIMS

This is a complete and current listing of the claims, marked with status identifiers in parentheses. The following listing of claims will replace all prior versions and listings of claims in the application.

1. (Currently Amended) A plug-in connection apparatus ~~which can be plugged for plugging at least one of into/ and onto~~ a mating plug-in connection apparatus ~~in order to~~ electrically connect electrical modules, ~~having~~comprising:

- a housing ~~(16)~~; and
_____at least one locking device, ~~(17) which is connected to the housing (16) and serves~~ serving to mechanically couple the plug-in connection apparatus to the mating plug-in connection apparatus, _____
_____it being possible to move the locking device ~~(17)~~ being movable between a locked position and an unlocked position, and _____
_____the locking device ~~(17)~~ being integrally connected to the housing, _____
~~characterized in that~~
_____the locking device ~~(17)~~ ~~has~~ including an unlocking element ~~(19)~~ which, in the unlocked position, engages in a mating element, ~~(21) which is arranged on the housing, which (16) and~~ complements the unlocking element ~~(19)~~, so that the locking device ~~(17)~~ ~~can be fixed~~ is fixable in the unlocked position.

2. (Currently Amended) The plug-in connection apparatus as claimed in claim 1, ~~with wherein~~ the locking device ~~(17)~~ ~~having~~ includes at least one of ~~a locking hook or and a~~ locking eye for the purpose of mechanical coupling to the mating plug-in connection apparatus.

3. (Currently Amended) The plug-in connection apparatus as claimed in ~~either of the preceding claims~~ claim 1, ~~with wherein~~ the locking device ~~(17) having~~ includes an end ~~(22)~~ which is rigidly connected to the housing ~~(16)~~, as a result of which the locking device ~~(17)~~ is resiliently mounted on the housing ~~(16)~~.

4. (Currently Amended) The plug-in connection apparatus as claimed in ~~one of the preceding claims~~ claim 1, ~~wherein with~~ the unlocking element ~~(19) comprising~~ includes at least one of an unlocking hook and an unlocking eye.

5. (Currently Amended) The plug-in connection apparatus as claimed in ~~one of the preceding claims~~ claim 1, ~~with wherein~~ the unlocking element ~~(19)~~ and the mating element ~~(21)~~ ~~engaging~~ engage in such a way that the unlocking element ~~(19)~~ automatically disengages from the mating element ~~(21)~~ when the plug-in connection apparatus is inserted into the mating plug-in connection apparatus.

6. (Currently Amended) The plug-in connection apparatus as claimed in ~~one of the preceding claims~~ claim 1, ~~wherein, with~~ the locking device ~~(17) being~~ is resiliently mounted on the housing ~~(16)~~ in such a way that it is prestressed toward the locked position, so that the locking device ~~(17)~~ automatically snaps into the locked position when the plug-in connection apparatus is inserted into the mating plug-in connection apparatus.

7. (Currently Amended) The plug-in connection apparatus as claimed in ~~one of claims 2 to 6~~, ~~with wherein~~ the free end of the locking hook ~~(17) having~~ includes an edge ~~(20)~~ ~~which is~~ inclined essentially in the direction of the insertion movement ~~(A)~~ of the plug-in connection apparatus into the mating plug-in connection apparatus.

8. (Currently Amended) The plug-in connection apparatus as claimed in claim 7, ~~with wherein~~ the edge (20) ~~directly adjoining~~ adjoins a projection (18) ~~of the locking hook (17),~~ which projection engages on the connector in the locked position.

9. (Currently Amended) The plug-in connection apparatus as claimed in ~~one of the preceding claims,~~ with claim 1, wherein a respective locking device (17) ~~being~~ is provided on two opposite sides of the housing ~~(16).~~

10. (Currently Amended) A plug-in connection system, comprising:

~~_____ having~~ a plug-in connection apparatus as claimed in ~~one of the preceding claims,~~ which claim 1, ~~apparatus is~~ in the form of a socket, ~~;~~ and

~~_____ a~~ mating plug-in connection apparatus which corresponds to a connector.

11. (Currently Amended) ~~The~~ A plug-in connection system, comprising:

~~_____ with~~ a plug-in connection apparatus as claimed in ~~one of claims 1 to 9~~ claim 1, ~~which apparatus is~~ in the form of a connector, ~~;~~ and

~~_____ with~~ a mating plug-in connection apparatus which corresponds to a socket.

12. (Currently Amended) A method for disconnecting a plug-in connection apparatus as claimed in ~~one of claims 1 to 8~~ from the mating plug-in connection apparatus, the method comprising: ~~by~~

~~_____~~ fixing the at least one locking device (17) in the unlocked position ~~by means of~~ via the unlocking device, ~~;~~ and

_____—releasing the plug-in connection apparatus from the mating plug-in connection apparatus.

13. (Cancelled)

14. (New) The plug-in connection apparatus as claimed in claim 2, wherein the locking device includes an end which is rigidly connected to the housing, as a result of which the locking device is resiliently mounted on the housing.

15. (New) The plug-in connection apparatus as claimed in claim 2, wherein the unlocking element includes at least one of an unlocking hook and an unlocking eye.

16. (New) The plug-in connection apparatus as claimed in claim 2, wherein the unlocking element and the mating element engage in such a way that the unlocking element automatically disengages from the mating element when the plug-in connection apparatus is inserted into the mating plug-in connection apparatus.

17. (New) A plug-in connection system, comprising:
a plug-in connection apparatus as claimed in claim 2, the apparatus being in the form of a socket; and
a mating plug-in connection apparatus which corresponds to a connector.

18. (New) A plug-in connection system, comprising:
a plug-in connection apparatus as claimed in claim 2, in the form of a connector; and
a mating plug-in connection apparatus which corresponds to a socket.

19. (New) A method for disconnecting a plug-in connection apparatus as claimed in claim 2 from the mating plug-in connection apparatus, the method comprising:

fixing the at least one locking device in the unlocked position via the unlocking device; and

releasing the plug-in connection apparatus from the mating plug-in connection apparatus.